Convergence of Deep Learning and Internet of Things: Computing and Technology

Part of the Advances in Computational Intelligence and Robotics Book Series

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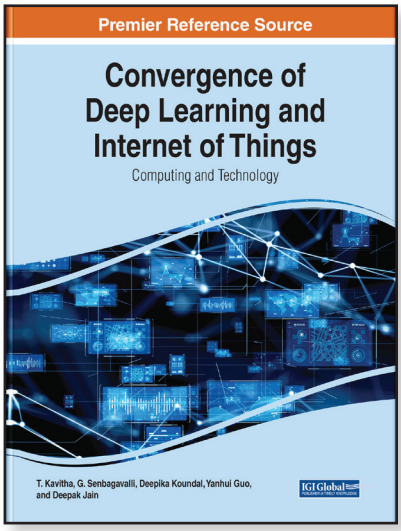

Description:

Digital technology has enabled a number of internet-enabled devices that generate huge volumes of data from different systems. This large amount of heterogeneous data requires efficient data collection, processing, and analytical methods. Deep Learning is one of the latest efficient and feasible solutions that enable smart devices to function independently with a decision-making support system.

Convergence of Deep Learning and Internet of Things: Computing and Technology contributes to technology and methodology perspectives in the incorporation of deep learning approaches in solving a wide range of issues in the IoT domain to identify, optimize, predict, forecast, and control emerging IoT systems. Covering topics such as data quality, edge computing, and attach detection and prediction, this premier reference source is a comprehensive resource for electricians, communications specialists, mechanical engineers, civil engineers, computer scientists, students and educators of higher education, librarians, researchers, and academicians.

ISBN: 9781668462751 **Pages:** 335 **Copyright:** 2023 **Release Date:** December, 2022

Hardcover: $270.00 **Softcover:** $205.00 **E-Book:** $270.00 **Hardcover + E-Book:** $325.00

Topics Covered:

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- Behavioral Analysis
- Data Quality
- Distributed Deep Learning
- Edge Computing
- Intelligent Broker Design
- Neural Networks
- Quality of Service
- Reinforcement Learning
- Resource Consumption
- Smart Healthcare

Subject: Computer Science and Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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